Form PTO-1449		U.S. DEPARTMENT OF COMMERCE			ATTY, DOCKET NO.			SERIAL NO.			
(MODIFIED)		PATENT AND TRADEMARK OFFICE			032026-0771		10/787,075				
O I P APPLICANT											
INFORMATION DISCLOSURE CTATION Mark Gregory Friesen, et al.											
Submitted: July 8, 2004 JUL 1 2 2004					FILING DATE			GROUP ART UNIT			
	(Use se	everal sheets if nece	ecessary)		02/25/2004			2811			
RATENT DOCUMENTS											
EXAMINER		DOCUMENT			A14445	0.400	SUB- CLASS		FILING DATE IF APPROPRIATE		
INITIAL	REF	NUMBER	DATE		NAME	CLASS					
SUL		5,530,263	6/96	DiVencenzo			+7		7		
		5,671,437	9/97	Taira				\			
		6,369,404	4/9/02	Kan	9						
\		6,472,681	10/29/02	Kan			+	_			
500		6,597,010	7/22/03	Eriksson, et al.			 				
300							┼	-			
							+				
			··-		<u>.</u>					_	
			FOREIGN	PAT	ENT DOCUMENTS				·		
	REF	DOCUMENT NUMBER	DATE	DATE COUNTRY CLAS		CLASS	SUB- CLASS			LATION	
···		NOMBER							YES	NO	
							ļ				
							 				
										<u> </u>	
		OTHER DOCU	MENTS (Includ	ing A	uthor, Title, Date, Pertii	nent Pages,	Etc.)				
I.H. Chan, et al., "Few-Electron Quantum Dots for Quantum Computing," preprint http://arxiv.org/cond-											
SWC		mat/0309205.									
	-	Daniel Loss, et al., "Quantum Computation with Quantum Dots," Physical Review A, Vol. 57, No. 1, January									
		1998, pp. 120-126.									
		B.E. Kane, "A Silicon-Based Nuclear Spin Quantum Computer," Nature, vol. 393, May 14, 1998, pp. 133-137.									
				<u> </u>	<u> </u>	<u> </u>					
 		Rutger Vrijen, et al	"Electron-Spin-l	Reson	ance Transitors for Quan	tum Computi	ng in	Silicon-	Germaniu	m	
		Rutger Vrijen, et al, "Electron-Spin-Resonance Transitors for Quantum Computing in Silicon-Germanium Heterostructures," Physical Review A, vol. 62, 2000, pp. 12306-1012306-10.									
		M. Ciorga, et al., "Addition Spectrum of a Lateral Dot from Coulomb and Spin-Blockade Spectroscopy," Physical Review B, Vol. 61, No. 24, 15 June 2000, pp. 315-318.									
		yo.ou I toriow D			2000, pp. 010-010.						
- 	Patrik Recher, et al., "Quantum Dot as Spin Filter and Spin Memory," Physical Review Letters, Vol. 85, No. 9,										
SWC		28 August 2000, pp. 1962-1965.									
J											

CRANE

11/2005

·								
SWC	Michel H. Devoret, et al., "Amplifying Quantum Signals with the Single-Electron Transistor," Nature, Vol. 406, 31 August 2000, pp. 1039-1046.							
- 	Friesen, M., et al., "Modeling Interactions of Si-Ge Qubits," American Physical Society, Jan. 2001; available at http://www.aps.org/meet/MAR01/baps/abs/S3640004.html.							
	Jeremy Levy, "Quantum-Information Processing with Ferroelectrically Coupled Quantum Dots," Physical Review A, vol. 64, 2001, pp. 052306-1052306-7.							
	Hans-Andreas Engel, et al., "Detection of Single Spin Decoherence in a Quantum Dot via Charge Currents," Physical Review Letters, Vol. 86, No. 20, 14 May 2001, pp. 4648-4651.							
	L.M.K. Vandersypen, et al., "Quantum Computing with Electron Spins in Quantum Dots," arXiv:quant-ph/0207059 v1, 10 Jul 2002, pp. 1-10.							
	Mark Friesen, et al., "Practical Design and Simulation of Silicon-Based Quantum-Dot Qubits," Physical Review B 67, 121301(4) (2003), pp. 121301-1 – 121301-4.							
	J.M. Elzerman, et al., "Few-Electron Quantum Dot Circuit with Integrated Charge Read Out," Physical Review B 67, 161308(R)(2003), pp. 161308-1 – 161308-4.							
	Wei Lu, et al., "Real-Time Detection of Electron Tunneling in a Quantum Dot," Nature, 423, 422 (2003).							
	R. Hanson, et al., "Zeeman Energy and Spin Relaxation in a One-Electron Quantum Dot," Physical Review Letters, Vol. 91, No. 19, 7 November 2003, pp. 196802-1 – 196802-4.							
Mark Friesen, et al., "Spin Readout and Initialization in a Semiconductor Quantum Dot," Physic Letters, Vol. 92, No. 3, Jan. 23, 2004, pp. 037901-1-037901-4.								
SWC								
EXAMINER	CRANE DATE CONSIDERED 11/2005							
line thro	ER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw ough citation if not in conformance and not considered. Include any copy of this form with next nication to applicant.							